

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/US2005/009753

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C22F1/18

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C22F C22C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data, CHEM ABS Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 02/070765 A (H. C. STARCK, INC; JEPSON, PETER R; UHLENHUT, HENNING; KUMAR, PRABHAT) 12 September 2002 (2002-09-12)	32-36
Y	page 7 - page 8; figure 1	1-31
X	THIEBAUT, C. (CEA) ET AL: "Modelling of the forming of tantalum parts with a finite element code." TANTALUM-NIOBIUM INTERNATIONAL STUDY CENTER. 40 RUE WASHINGTON, BRUSSELS, B-1050, BELGIUM. 1995. 469-483, GRAPHS, PHOTOMICROGRAPHS, 9 REF. CONFERENCE: INTERNATIONAL SYMPOSIUM ON TANTALUM AND NIOBIUM, GOSLAR, GERMANY, 24-28 SEPT. 1995 ISBN: 92 9093 0, 1995, XP009050686 1995	32,33
Y	item 2.1	1-31



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
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- \*P\* document published prior to the international filing date but later than the priority date claimed

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\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*&\* document member of the same patent family

Date of the actual completion of the international search

15 July 2005

Date of mailing of the international search report

02/08/2005

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# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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US 6071360	A	06-06-2000	NONE
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PCT/US2005/009753

**C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	THIEBAUT, C. (C.E.A. CENTRE DE VALDUC SERVICE MM) ET AL: "Sheet forming of tantalum : comparison between experimental results and modelling." PLANSEE AG. REUTTE, TYROL, AUSTRIA. MAY 1997. 971-983, NUMERICAL DATA, PHOTOMICROGRAPHS, GRAPHS, 12 REF. CONFERENCE: 14TH INTERNATIONAL PLANSEE SEMINAR '97. VOL. 1: METALLIC HIGH TEMPERATURE MATERIALS, TIROL, AUSTRIA, 12-16 MAY 1997, 1997, XP009050687 experimental procedure	1-36
A	US 6 193 821 B1 (ZHANG HAO) 27 February 2001 (2001-02-27) claims 1-29	1-36
A	US 6 071 360 A (GILLESPIE ET AL) 6 June 2000 (2000-06-06) claims 1-19	1-36